

FIG. 1

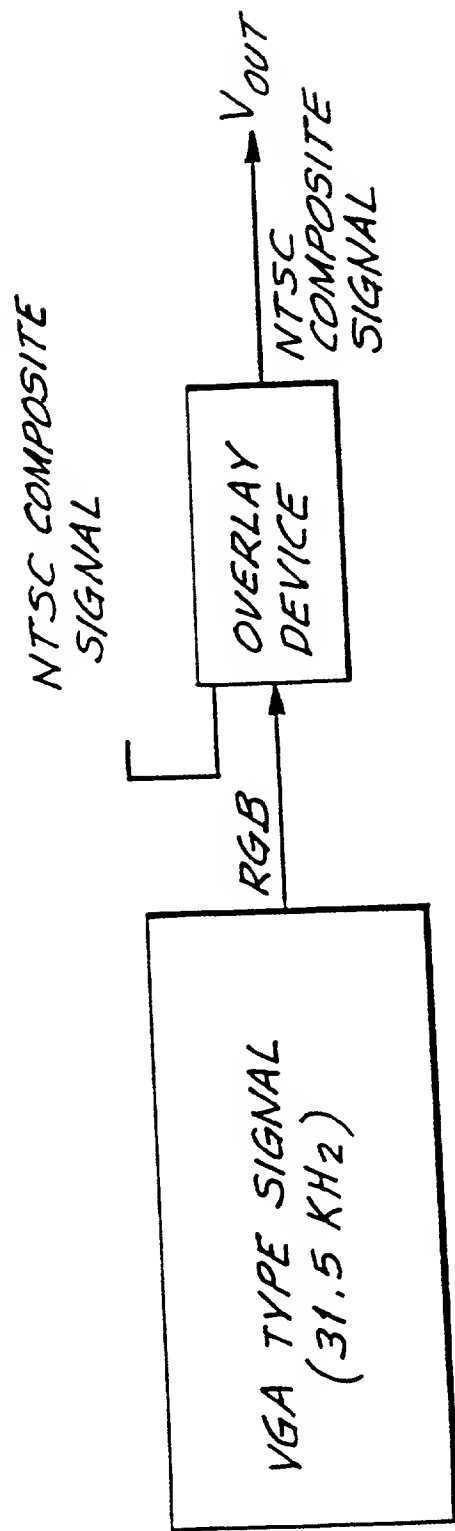


FIG. 2

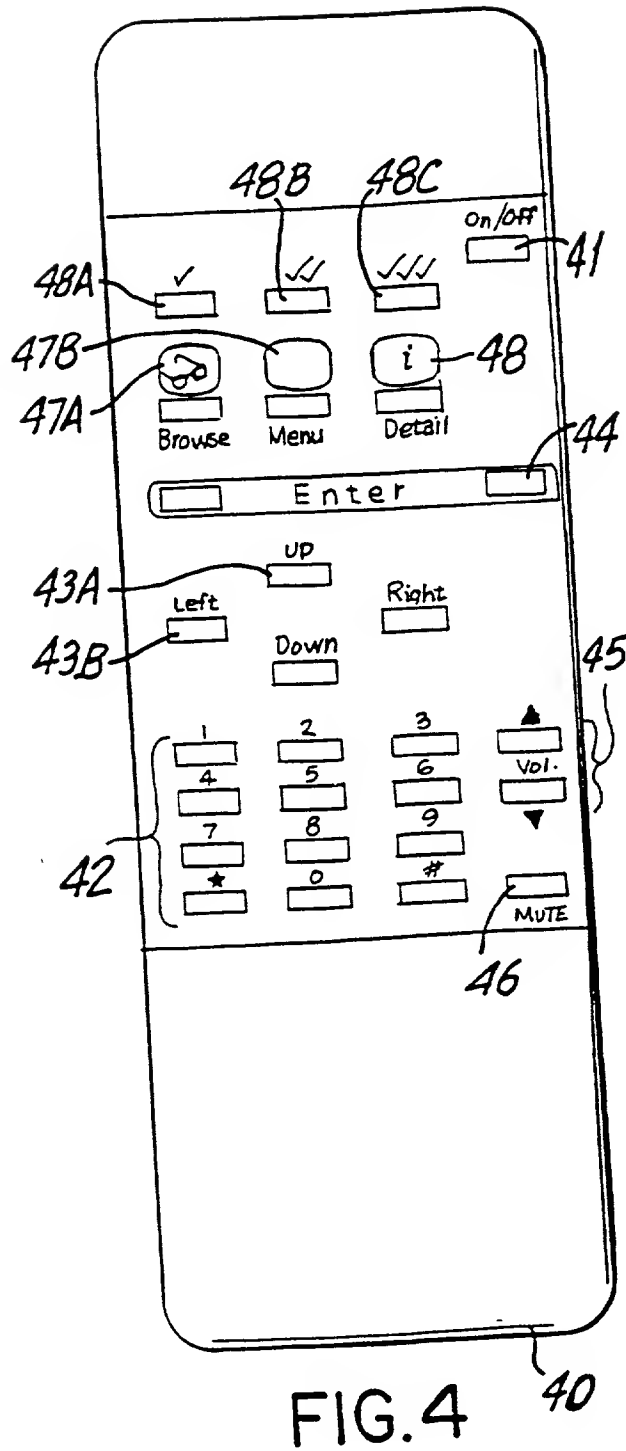
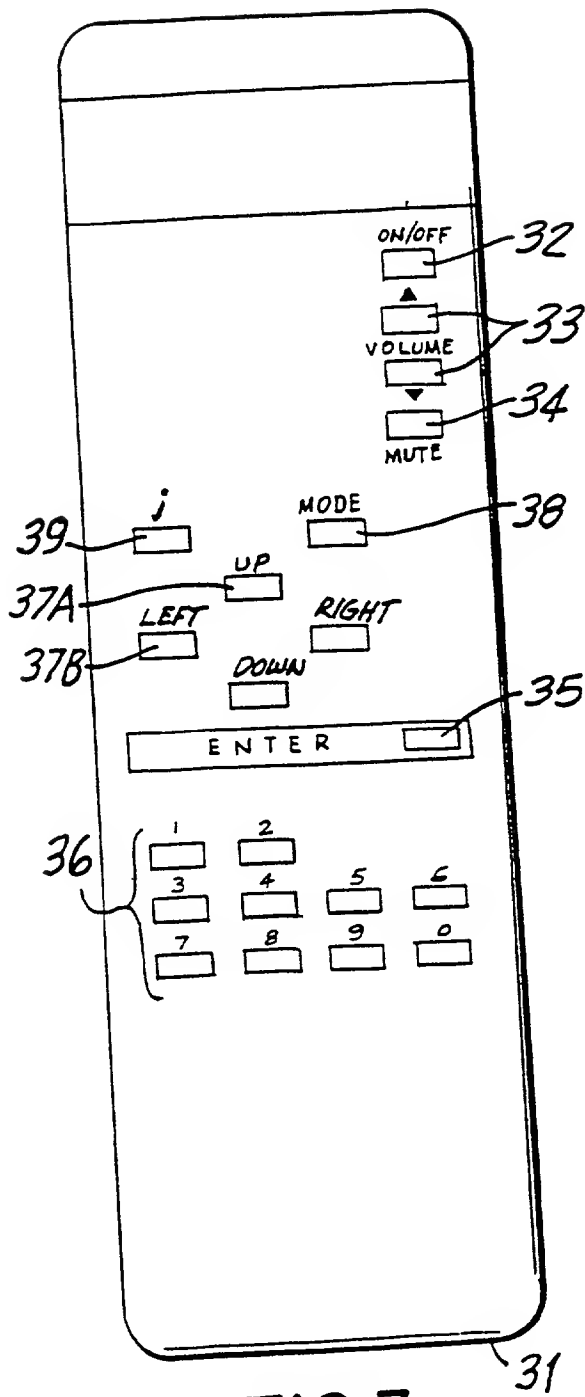


FIG. 5 is a schematic diagram of a television screen 50 showing a program guide interface. The screen 50 displays a list of programs 51, 52, and 53. Program 51 is titled "Flip" and features the "MSO LOGO" (54). Program 52 is titled "5 KPIX (10:00-11:00)" and includes the text "Price Is Right". Program 53 is titled "TV GUIDE".

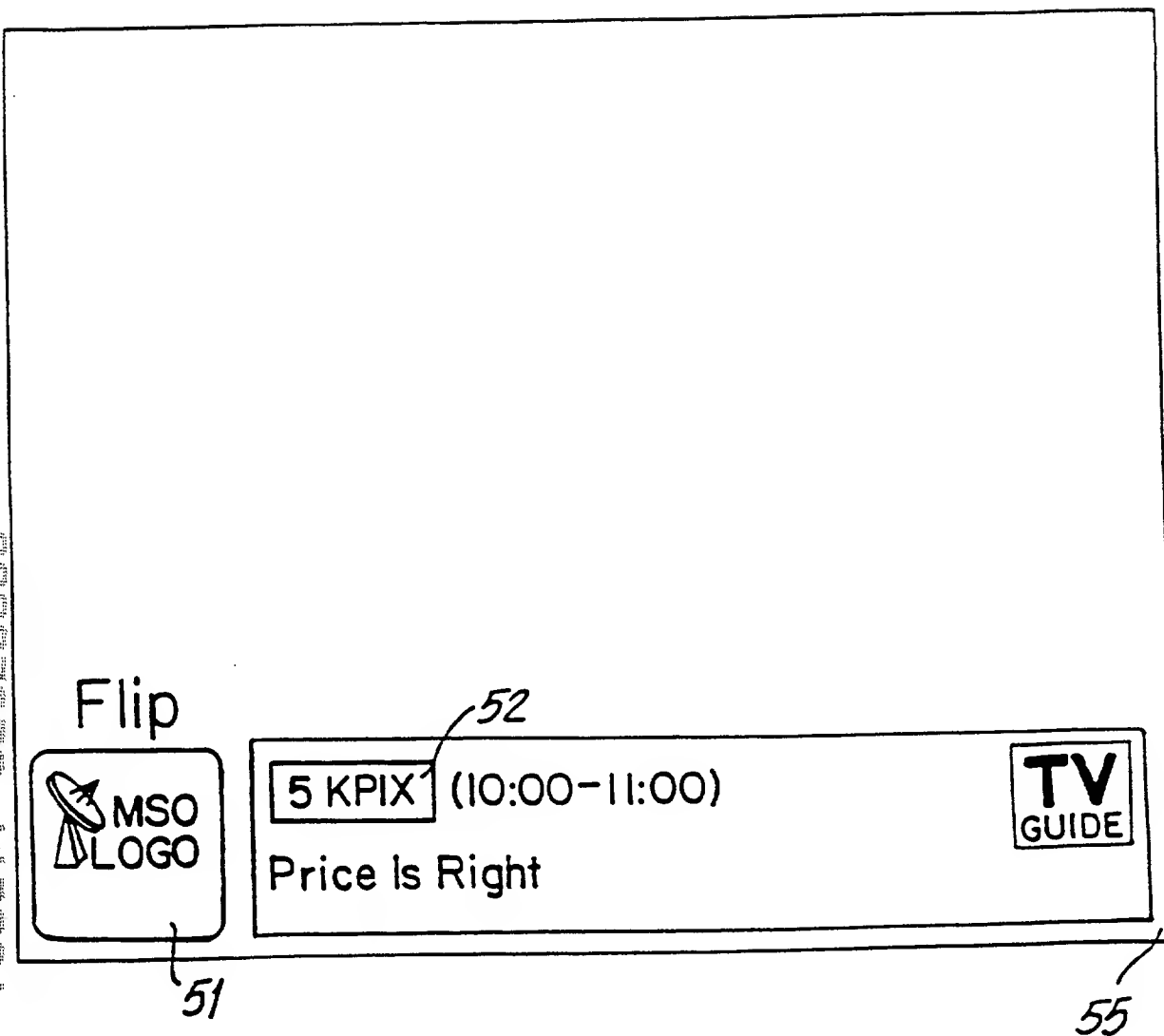


FIG. 5

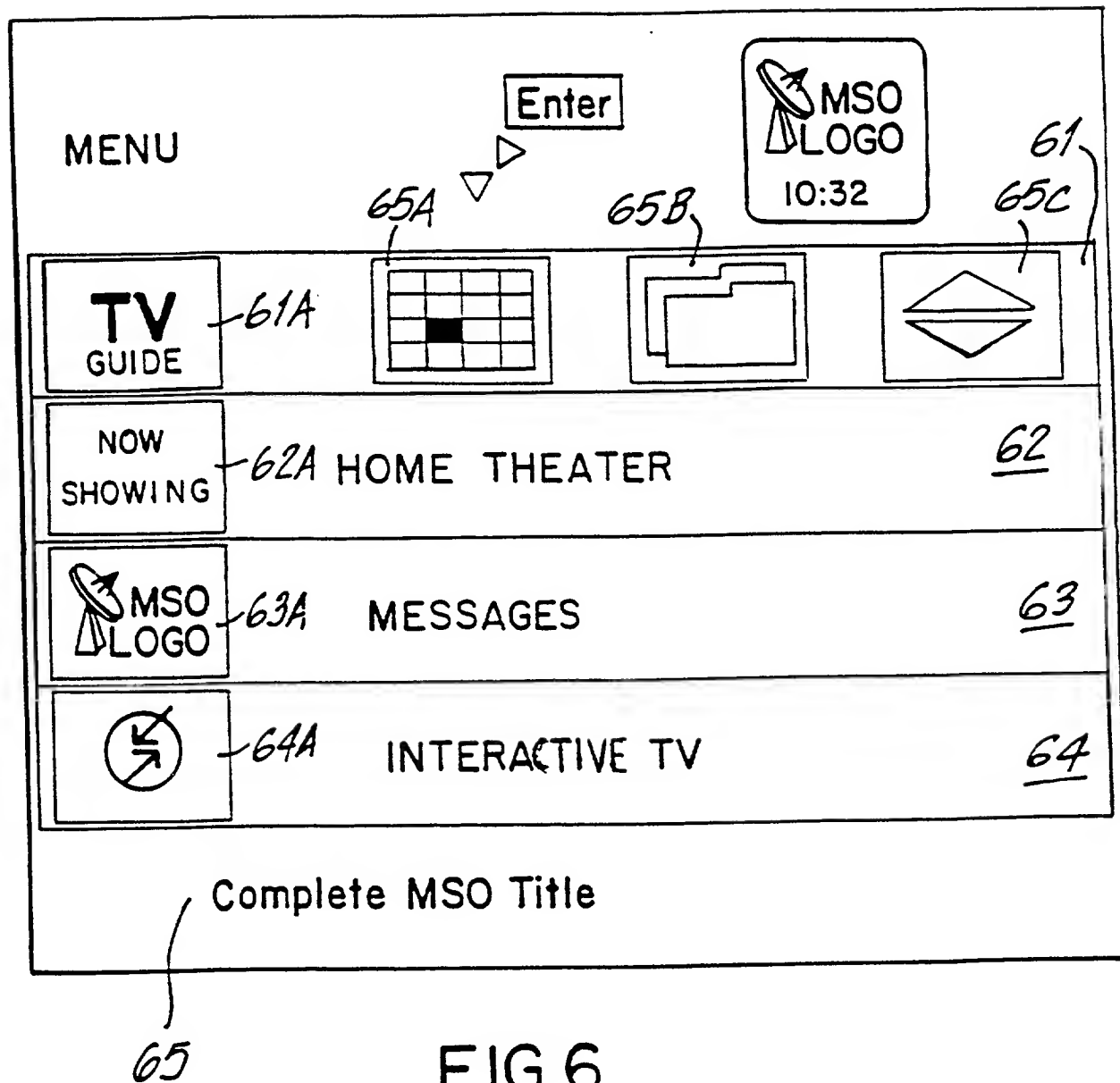


FIG. 6

FIG. 6A is a schematic diagram of a television screen displaying a menu. The menu is divided into four horizontal sections. The top section is labeled 'MENU' and contains an 'Enter' button and an 'MSO LOGO' with the time '4:58pm'. The second section is labeled 'TV GUIDE' and contains the text 'ON SCREEN'. The third section is labeled 'NOW SHOWING' and contains the text 'HOME THEATER'. The fourth section is labeled 'INTERACTIVE TV' and contains a 'Complete MSO Title' label. The diagram also includes various icons and labels such as '61A', '62A', '63A', '64A', '160', '161', '162', '61', '62', '63', and '64'.

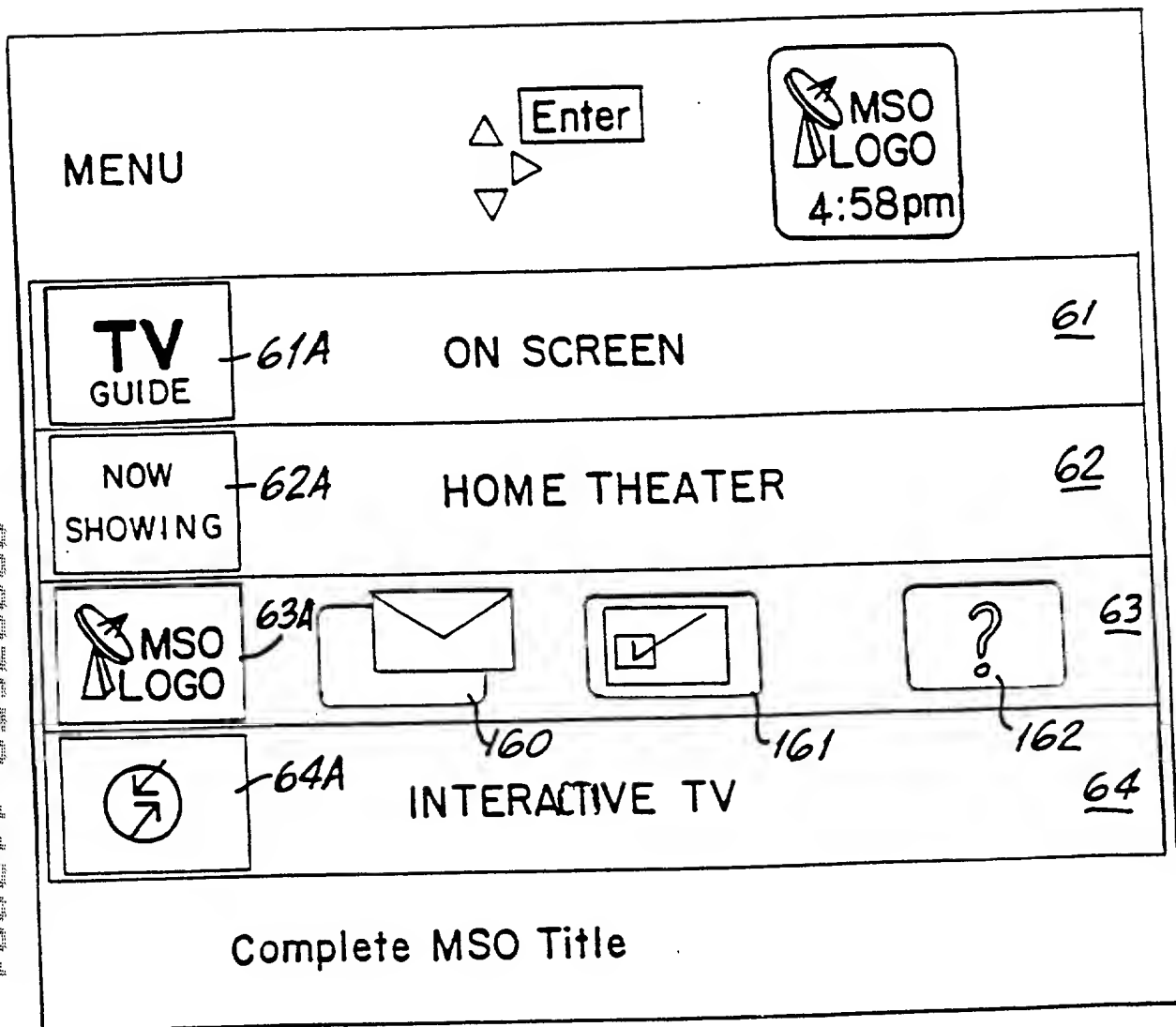


FIG.6A

FIG. 7 is a schematic diagram of a television set 100 showing a remote control 110 and a television set 120. The remote control 110 is shown with a display 112 and a set of buttons 114. The television set 120 is shown with a screen 122 and a control panel 124. The screen 122 displays a menu 130. The menu 130 is divided into two sections. The top section is labeled "PREFERENCE MENU" and contains a button labeled "Enter" and a downward arrow. The bottom section contains two options: "PARENTAL" with a padlock icon and "FAVORITE CHANNEL" with a paperclip icon. The "PARENTAL" option is labeled with the number 70 and the "FAVORITE CHANNEL" option is labeled with the number 71.

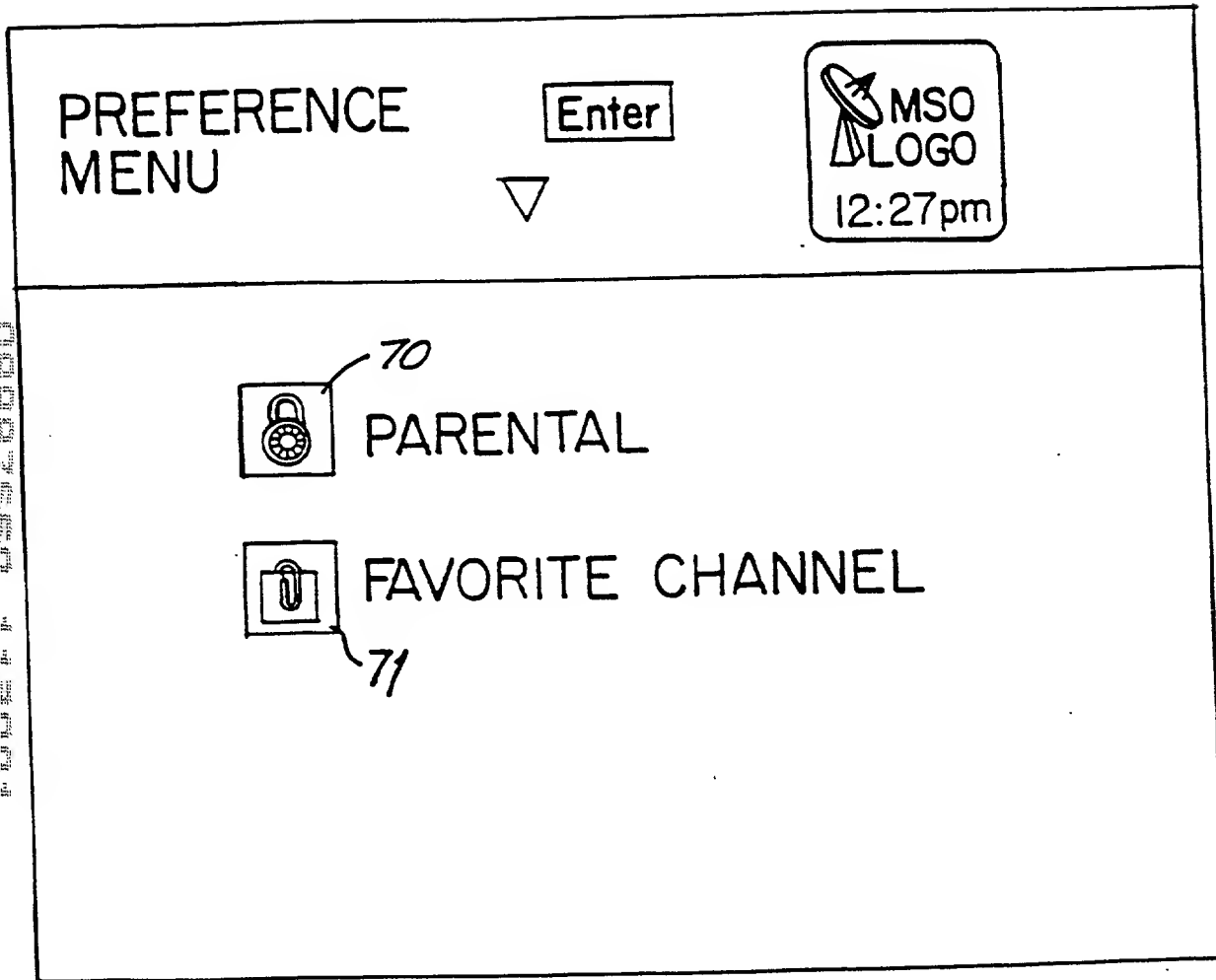


FIG.7

FAVORITE CHANNEL

Enter

Δ

▽

TV

GUIDE

12:25pm

Choices

4 KCNC

5 SHO

Delete

6 KRMA

7 KMGH

8 MUN1

9 KUSA ← 80

10 KTCI

11 REQ1

MOVIES

NEWS

SPORTS } 83

Selected

82 15 REQ2

81 9 KUSA

7 KMGH

5 SHO

3 PPV

MOVIES

FIG.8

Jun 7

HBO is a Premium Service

To order this service press Enter

FLIP



6 HBO (4:00-5:30)

Shaker Run

TV
GUIDE



FIG.9

Premium
Services

Enter



HBO

Home Box Office \$10.40/Month

SHO

Showtime \$9.95/Month

DIS

The Disney Channel \$9.95/Month

TMC

The Movie Channel \$1.50/Month

MAX

Cinemax \$9.95/Month

PLA

Playboy at Night \$4.95/Evening(5:00pm to 3:00am)

ACT

Action \$5.95/Day(11:00pm to 3:00pm)

Movie, special events and family programming!

You are not a Subscriber. Press to Subscribe!

FIG. 10

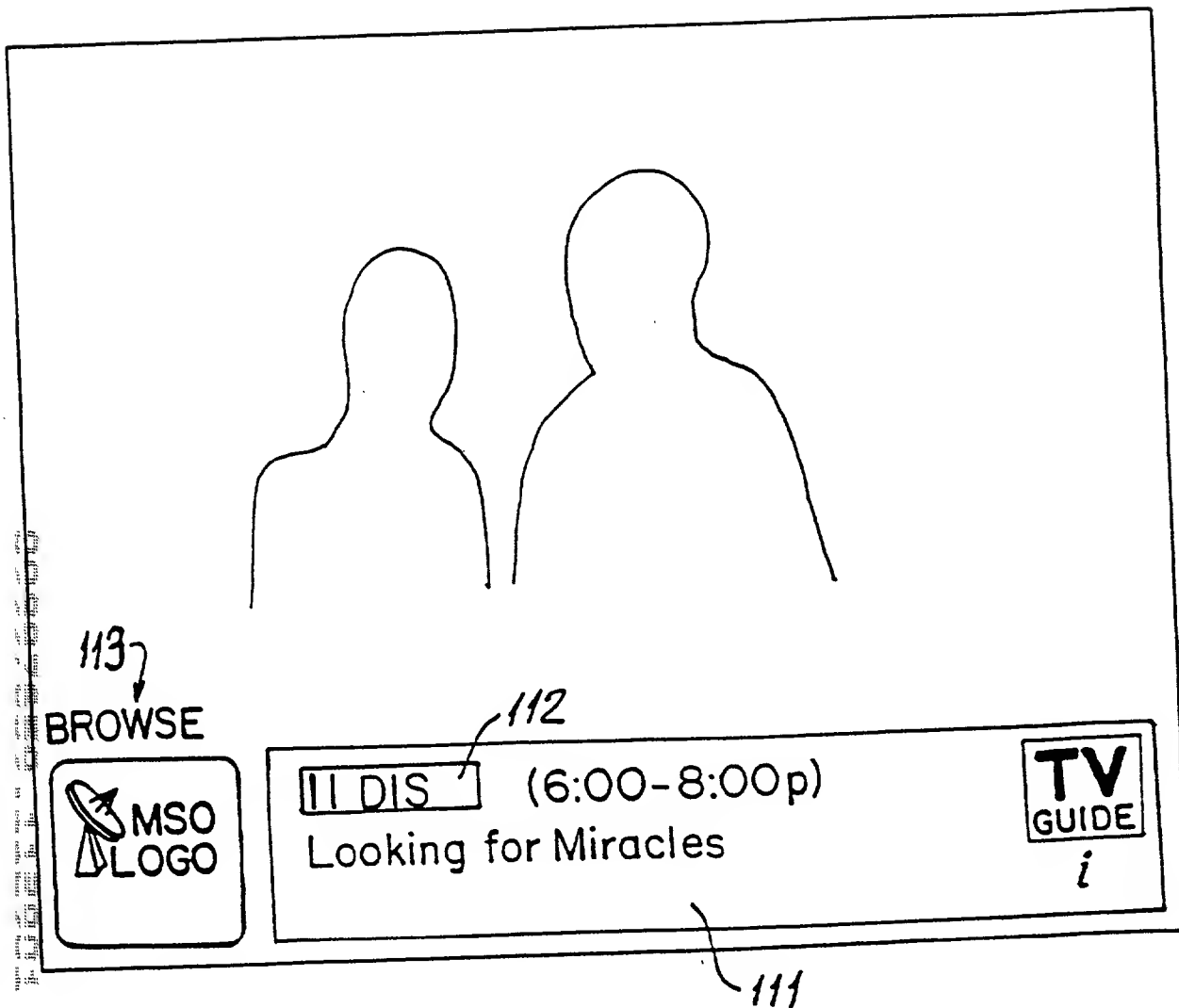


FIG. II

FIG. 12 is a schematic diagram of a television screen displaying a program guide. The screen shows two stylized human figures in the upper portion. Below the figures, the word "BROWSE" is displayed. At the bottom of the screen, there is a horizontal bar containing three elements: a logo for "MSO LOGO" (a satellite dish icon), a box containing the text "49 SFSU" and "(5:30-6:00p)", and a box containing the text "TV GUIDE". Below the "49 SFSU" box, the text "Educational Programming" is displayed.

BROWSE



49 SFSU

(5:30-6:00p)

TV
GUIDE

Educational Programming

FIG.12

6:48pm

BROWSE



DIS

Today(8:50-9:00p)

TV
GUIDE

Making Their Mark

FIG. 12A

Jun 7

BROWSE ¹³²

Set Reminder for

5:30p Mama's Family

Arrows to select <Enter>to accept Yes

¹³¹

FIG.13

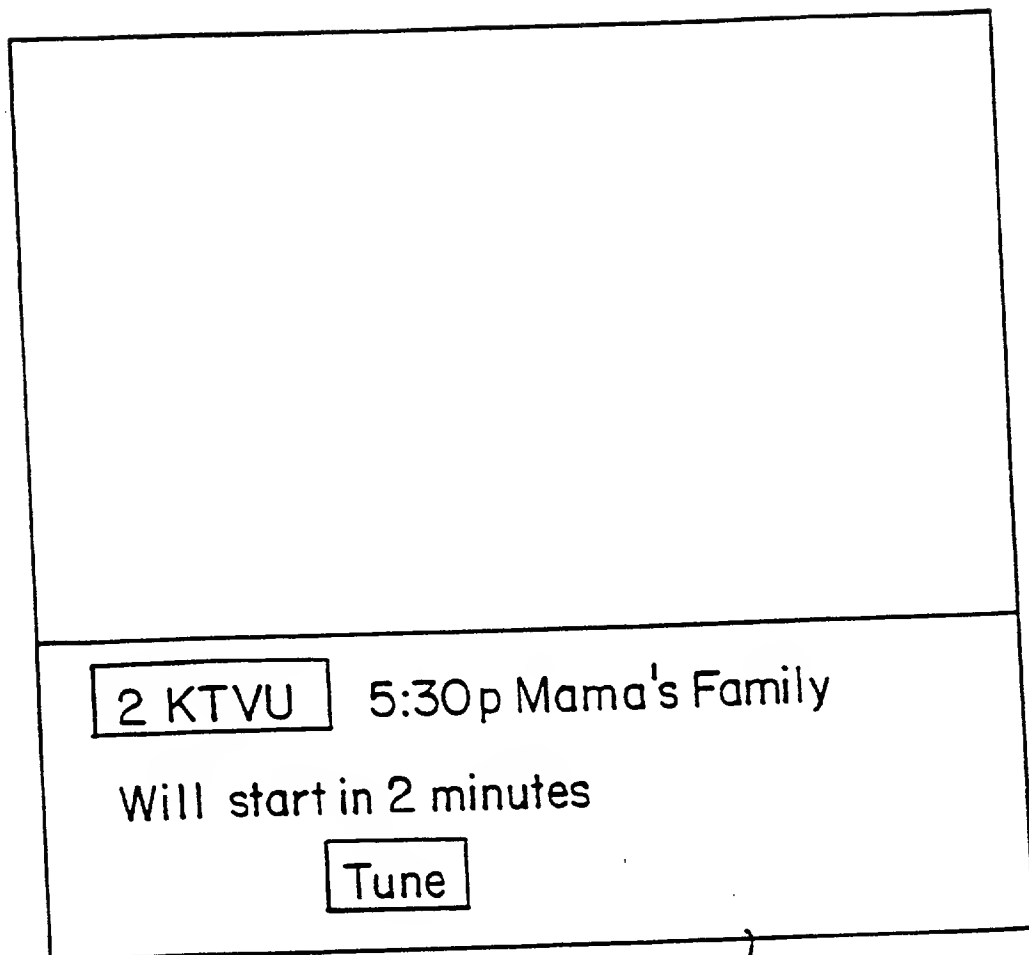


FIG.14

140

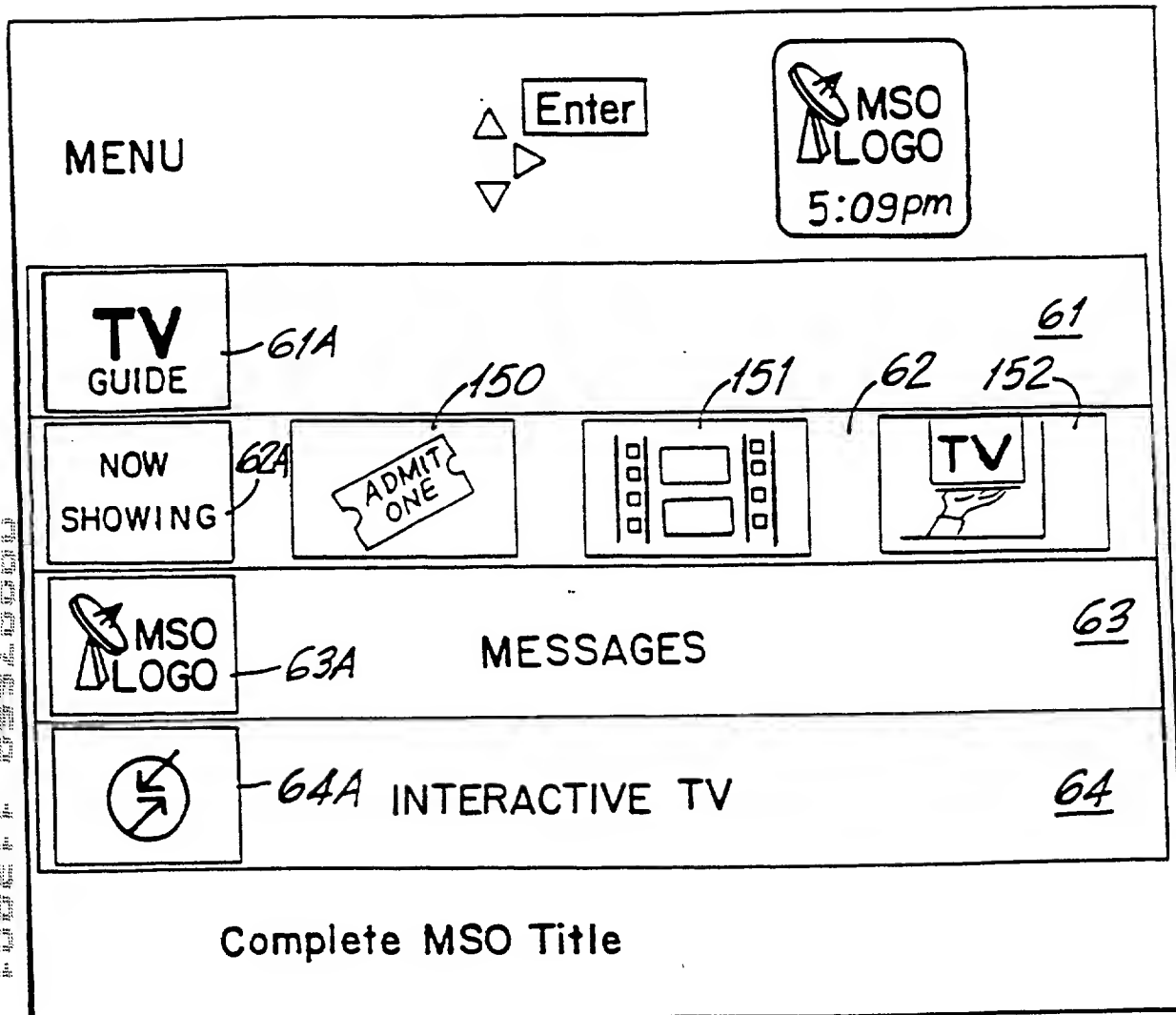


FIG.15

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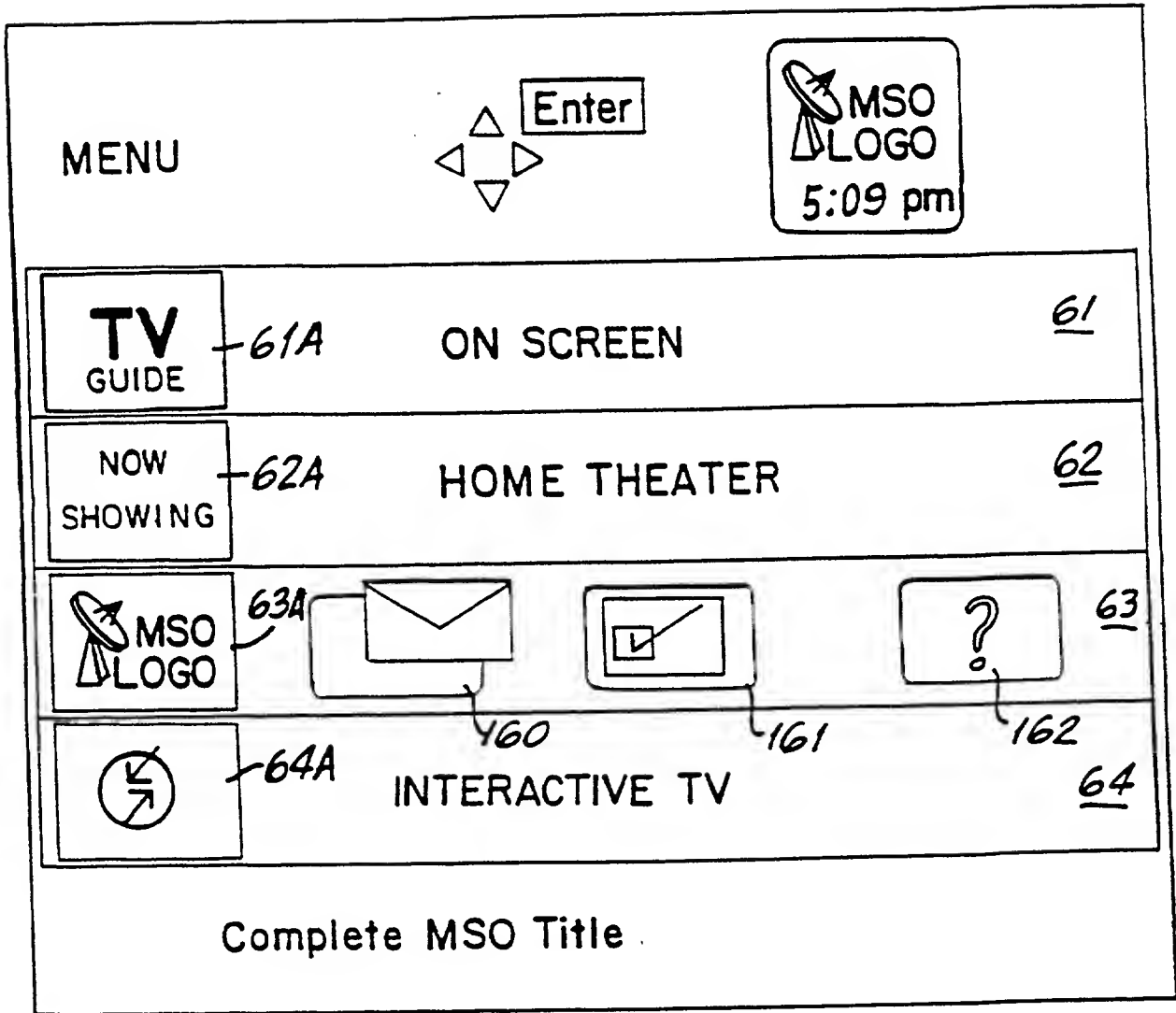


FIG.16

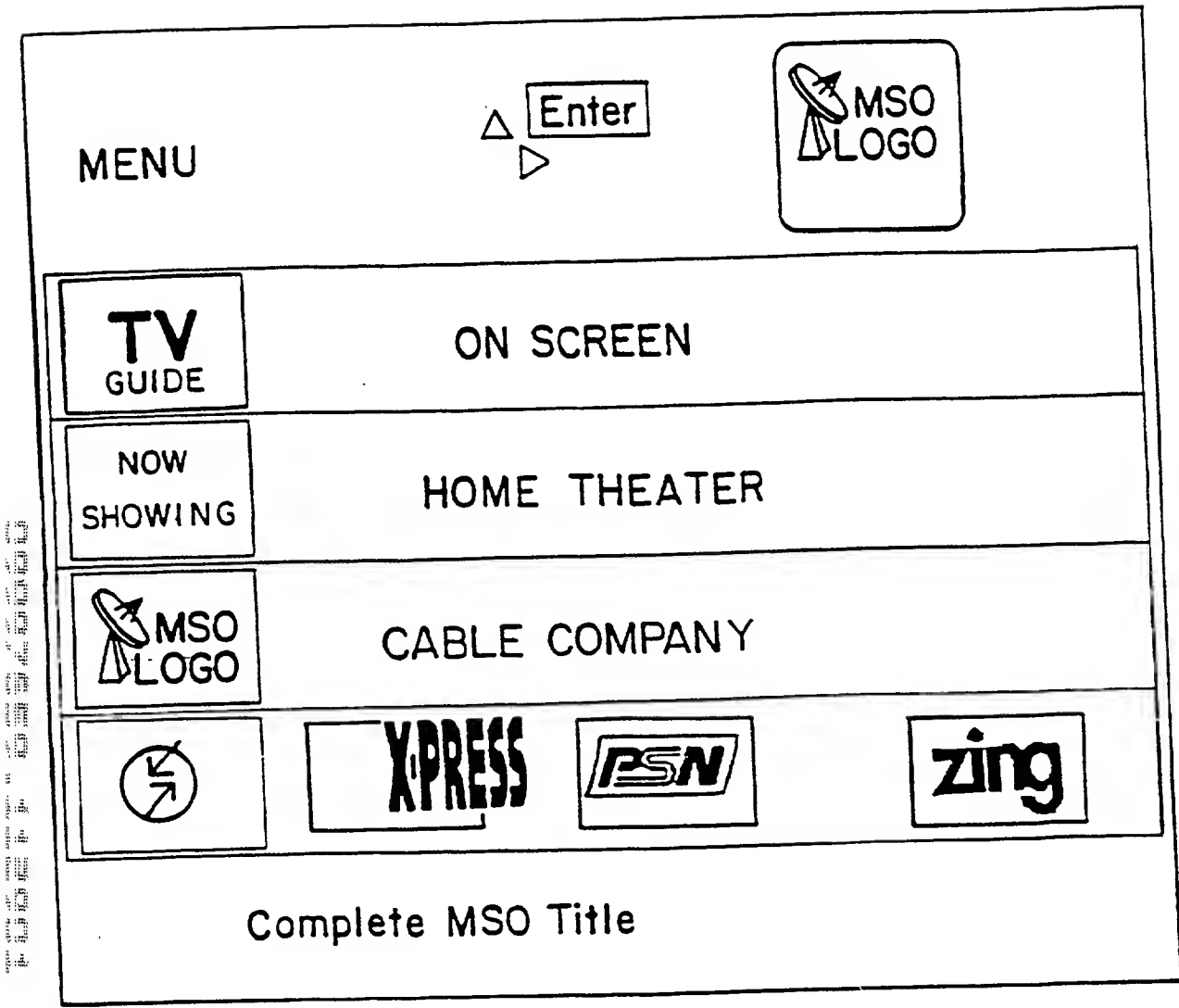


FIG.17

© 1999 KRON-TV, Inc. All rights reserved. KRON-TV is a service mark of KRON-TV, Inc. KRON-TV is a registered trademark of KRON-TV, Inc. KRON-TV is a service mark of KRON-TV, Inc. KRON-TV is a registered trademark of KRON-TV, Inc.

180

All Listings

182

TV GUIDE

7:13 pm

183

184

Enter

i

4 KRON	Baseball (4:30-7:30p)		
Today	7:00p	7:30p	8:00p
4 KRON	Baseball	Ent. Tonight	Fresh Prince
185			Blossom
5 KPDX	Evening Shade	Major Dad	Murphy Brown
6 HBO	JFK: In His Own Words		JFK
7 KGO	Jeopardy!	Wheel of Fortune	Day One

FIG. 18

182

TV GUIDE

6:50 pm

183

201

Listings By

202a, 202b, 202c

Enter

i

3 PREV

4 KRON

5 KPIX

Today

203

4:30p Baseball

7:30p Entertainment Tonight

8:00p Fresh Prince

8:30p Blossom

9:00p Perry Mason: Notorious Nun

11:00p News

11:30 Tonight

12:30a David Letterman

i

i

FIG. 20

THE UNIVERSITY OF MICHIGAN LIBRARY

TV
GUIDE
10:39

i

Today

8 SHO Oscar (10.00-12:00p)
(1991) PG. A mobster (Sylvester Stallone) tries to go
legit. Omelia Muti, Don Ameche, Peter Riegert, Tim
Curry.

FIG. 21

PayPer View



Select choice

DER!

Press

additional information



Press



For



Movies

Party Incorporated

Passenger 57

Pet Sematary Two

Ring of Fire II: Blo

The Distinguished Ge

FIG. 23 is a schematic diagram of a television set showing the internal components and the external connections. The television set is shown in a perspective view, with the front panel and the rear panel. The front panel includes a screen and a control panel. The rear panel includes a power cord and a signal cord. The internal components include a power supply, a tuner, a decoder, and a video processor. The external connections include a power plug and a signal plug.

Pay Per View
Ordering

Enter



\$ 3.99

Passenger 57

What time would you like this show to start?

Today 9:00p ^{230B} Tomw 12:00p Tomw 6:00p ^{230C}
_{230A}

Would you like to see a countdown onscreen
just before the show start

Yes No

PPV	/
/	Source

FIG.23

Pay Per View
Confirmation



Enter



You have requested to order :

Passenger 57

\$ 3.99

NO, I DO NOT WANT TO ORDER.

PPV	/	
	/	Source

FIG.24

Pay Per View
Confirmation



You have requested to order:

Passenger 57

\$ 3.99

Yes, I would like to order

Passenger 57 has been Ordered!

Tune to Channel 1 Today at 9:00pm.

PPV	/
/	Source

FIG.24A

LISTINGS		Listing		6:06P AUG 16		
5:00	5:30	6:00	6:30	7:00	7:30	8:00
NBC 4 News						
ABC 6 News						
CBS 10 CBS News						
Fox 28 Club Paradise (5:00)						
PBS 29 Mystery!						
COM 30 Tribute to Carson						
HBO 33 Gremlins 2: The New Batch						
ESN 34 Tennis (4:30)						
AMC 35 Arise my Love (5:00)						
DSC 37 Natural World						
NIK 38 I Love Lucy						

FIG.25

Premium
Services

Enter



HBO

Home Box Office \$10.40/Month

SHO

Showtime \$9.95/Month

DIS

The Disney Channel \$9.95/Month

TMC

The Movie Channel \$1.50/Month

MAX

Cinemax \$9.95/Month

PLA

Playboy at Night \$4.95/Evening(5:00pm to 3:00am)

ACT

Action \$5.95/Day(11:00pm to 3:00pm)

Movie, special events, and family programming!

You are not a Subscriber. Press to Subscribe!

FIG.26

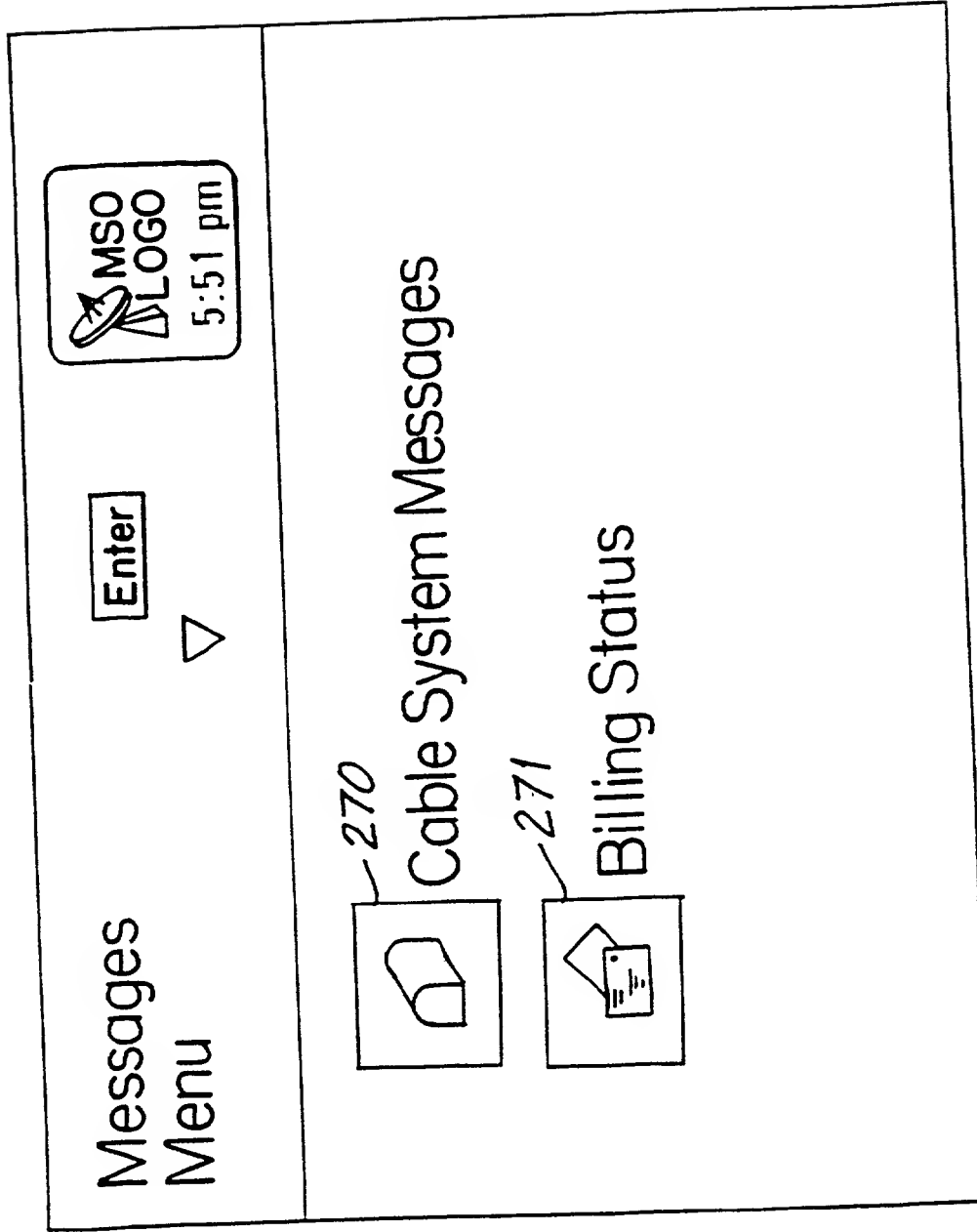


FIG.27

FIG. 28 is a schematic diagram of a cable system for providing pay per view service to a subscriber. The system includes a headend 10, a plurality of cables 12, and a plurality of subscriber units 14. The headend 10 is connected to the cables 12, which are in turn connected to the subscriber units 14. The subscriber units 14 are capable of receiving pay per view signals from the headend 10 and displaying them on a television set 16.


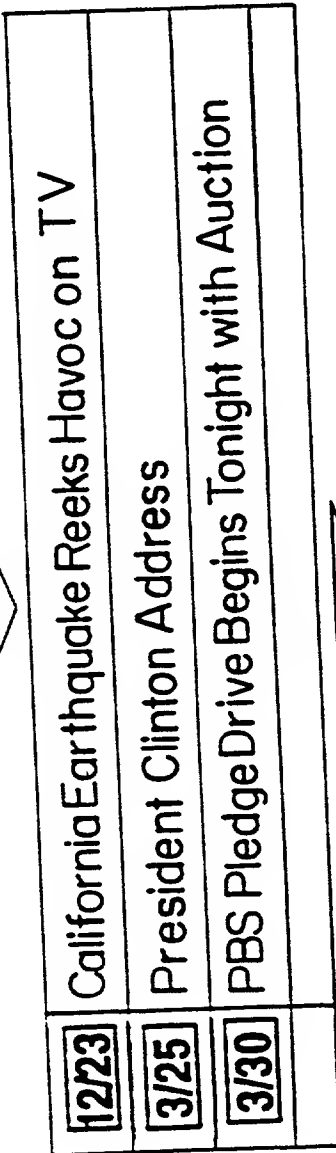
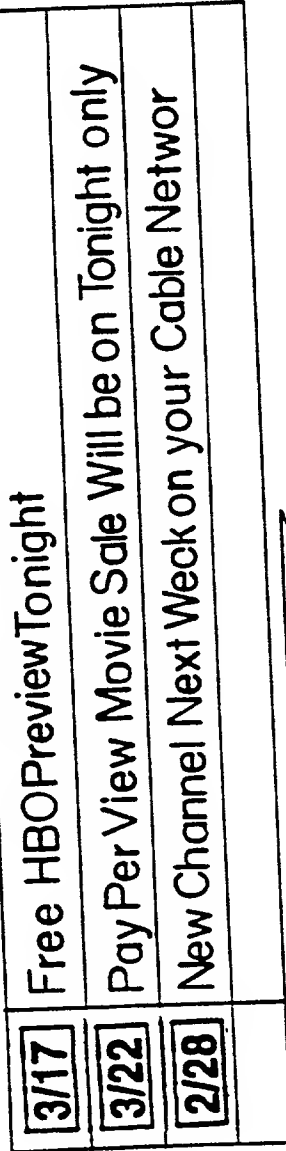
<p>Cable System Messages</p>	<div data-bbox="267 535 470 745">MSO DLOGO 5:52 pm</div> <p>Pay Per View is featuring "Batman Returns" this month.</p> <p>Get a free sneak peek of HBO this weekend.</p>	<p>Complete MSO Title</p>
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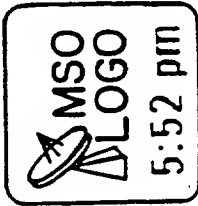
FIG.28



To move between cable system and TV Guide mailboxes, use Left/Right arrows. To read messages, use Down arrow: when headline is highlighted, full message appears in this space.

FIG. 28A

Billing



Name: TV Guide Onscreen Acct. #: 12345-098765-08-9

Billed From: 05/25/93 Billed To: 06/25/93 Total: \$3.99

FOR CUSTOMER SERVICE CALL: 790-0900

Date	Time	Service / PPV Event	Cost
06/07/93	9:00 p	PASSENGER 57	\$3.99

FIG.29

Key Access

~301
Parental
Guidance

MPAA ~308
Rating

Channel ~303
Block

Change Key Access Code: ~304

Clear Key Access Code and All Keys: OK

Enter

L - Language

PG

2 KWGN



305

FIG.30

FIG. 31 is a schematic diagram of a user interface for a financial information system. The interface includes a header section with a logo, a navigation bar with an "Enter" button and a dropdown arrow, and a main content area with three categories: STOCKS, STORIES, and SPORTS. Each category is represented by an icon and a text label.

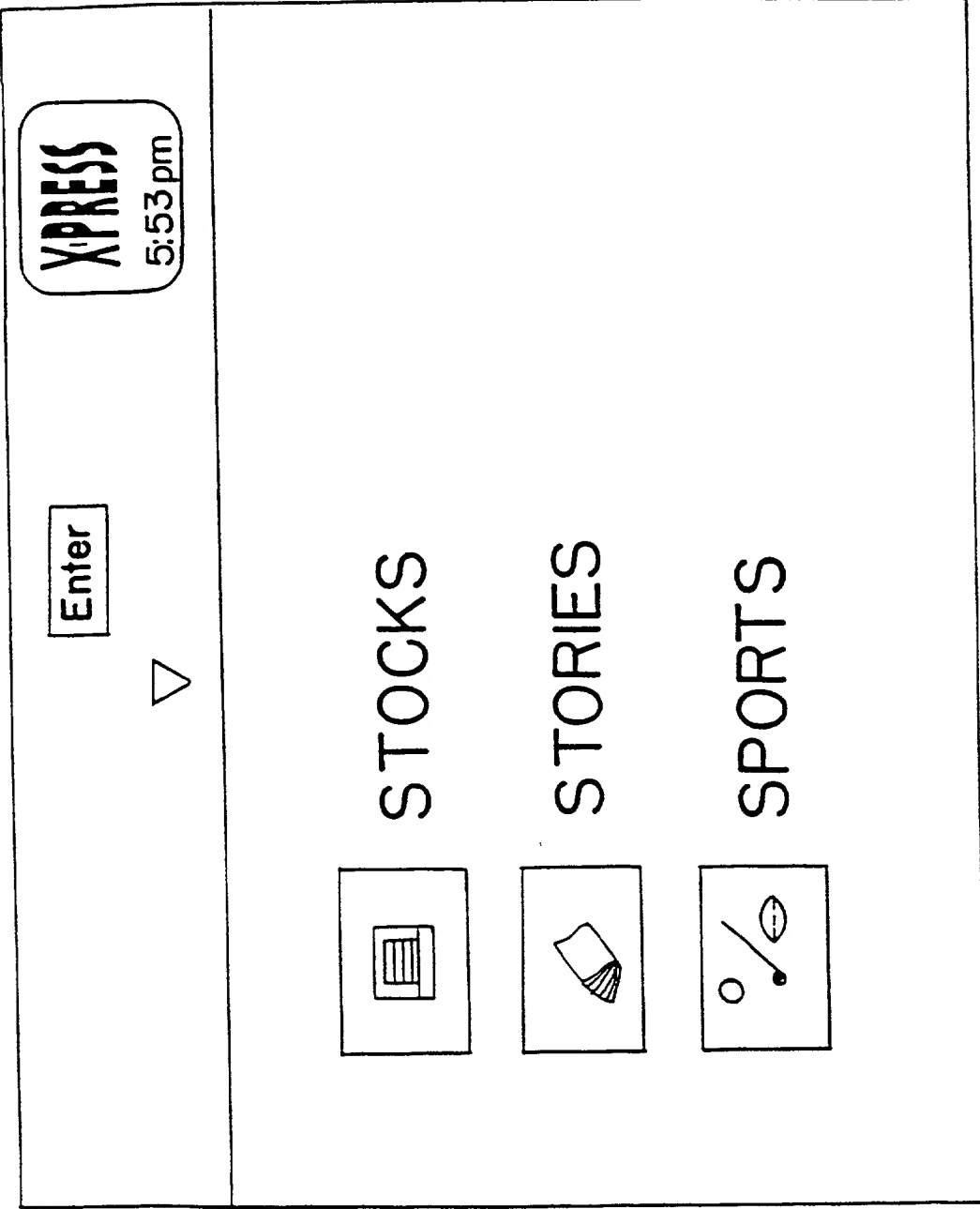


FIG. 31

© 2000 Xpress, Inc. All rights reserved. Xpress is a registered trademark of Xpress, Inc. Xpress is not responsible for any loss of data or other damages resulting from the use of this software.

Quote Watch

XPRESS
5:53 pm

Alarms

Vol(100s)

Change

Symbol	Last	Vol(100s)	Change
CMCSA	18	5415	-0.25
CVC	29.75	129	-0.125
JOIN	10.5	22	0
LBTYA	18.125	873	0.625
LBTYB	18	0	1.5
TCOMA	18.25	22970	-0.5
TCOMB	19.25	51	-0.375
TUNE	5.375	407	-0.125



Portfolio Value is 433200 and your gain is 443

Hi Low/Close Graph

Last \$22.87at
12.00pm. 05/29/93

X-PRESS

5:53 pm

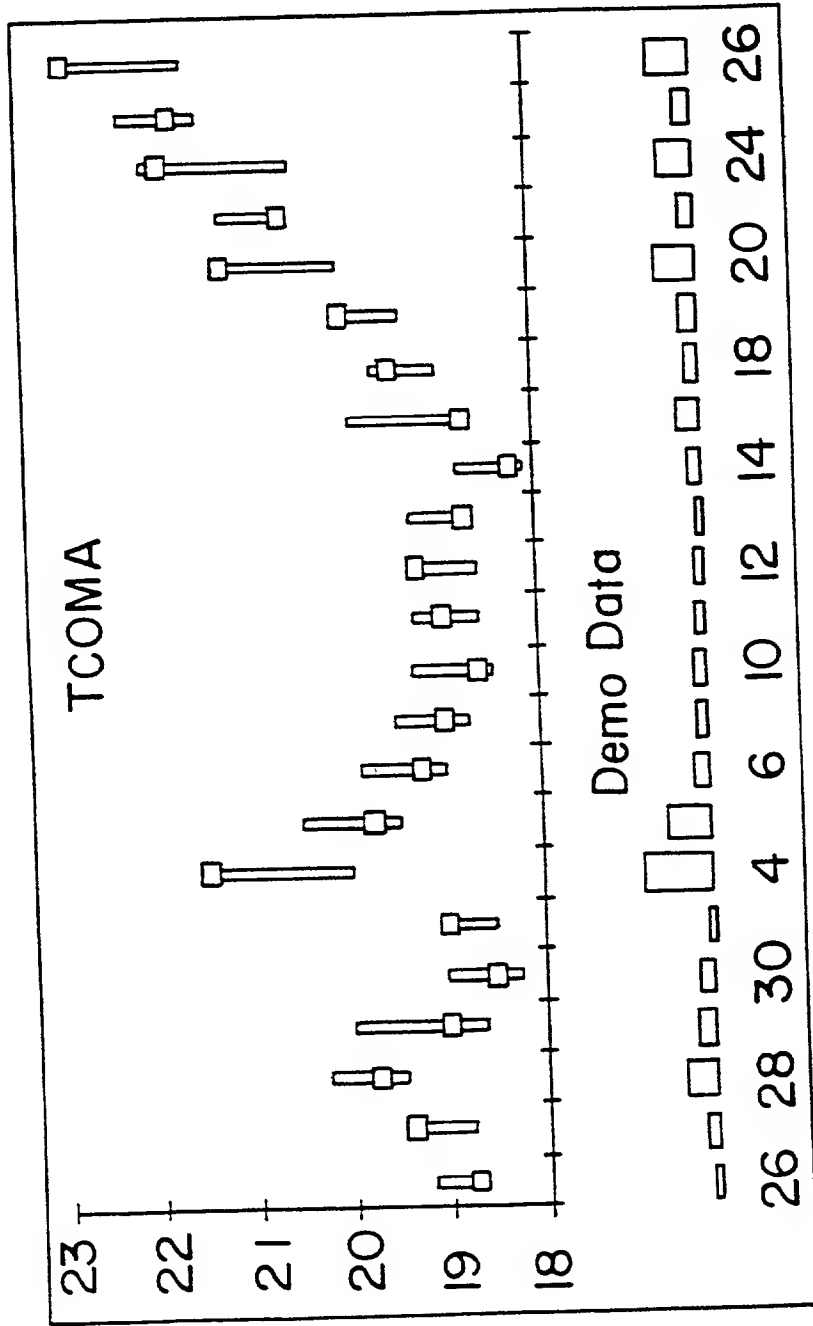


FIG. 33

STORIES

X-PRESS

Jun 7

US World News

Cubans use Vitamins to combat epidemic

Geneva - A costly campaign to provide vitamins to all Cubans has helped curb a mysterious epidemic that has afflicted thousands with vision problems, a World Health Organization official said yesterday.

The outbreak of optical neuritis has dimmed the vision of about 20,000 Cubans and a related malady has affected 6,000 other people, mostly women.

FIG.34

SPORTS

X-PRESS

5:54 pm

Major League Baseball

Yesterday in National League Action

Colorado 7, Houston 5

San Francisco 5, Chicago 4

Yesterday in American League Action

Detroit 4, Boston 1

Toronto 4, Milwaukee 2

FIG.35

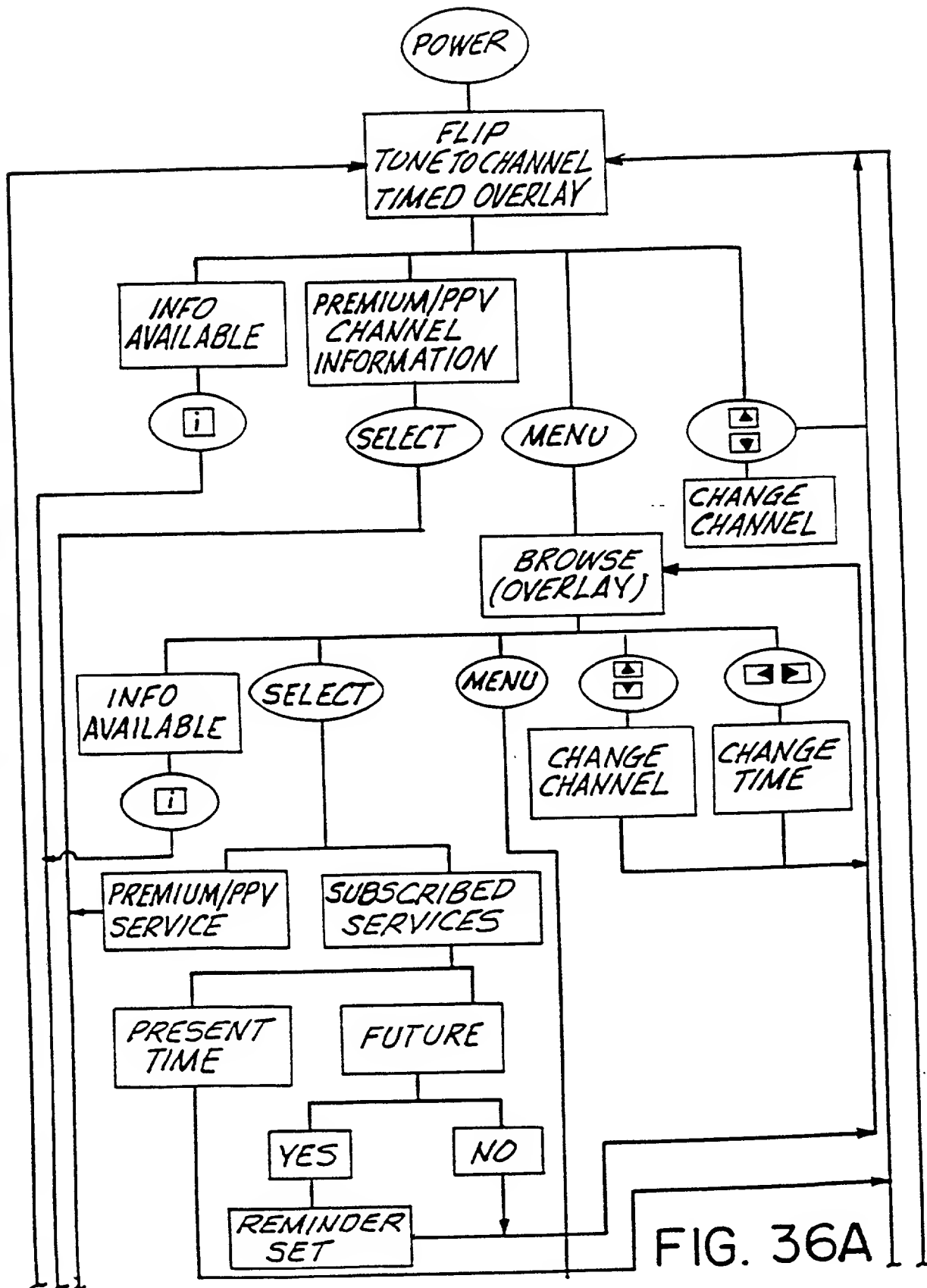


FIG. 36A

FIG. 36B

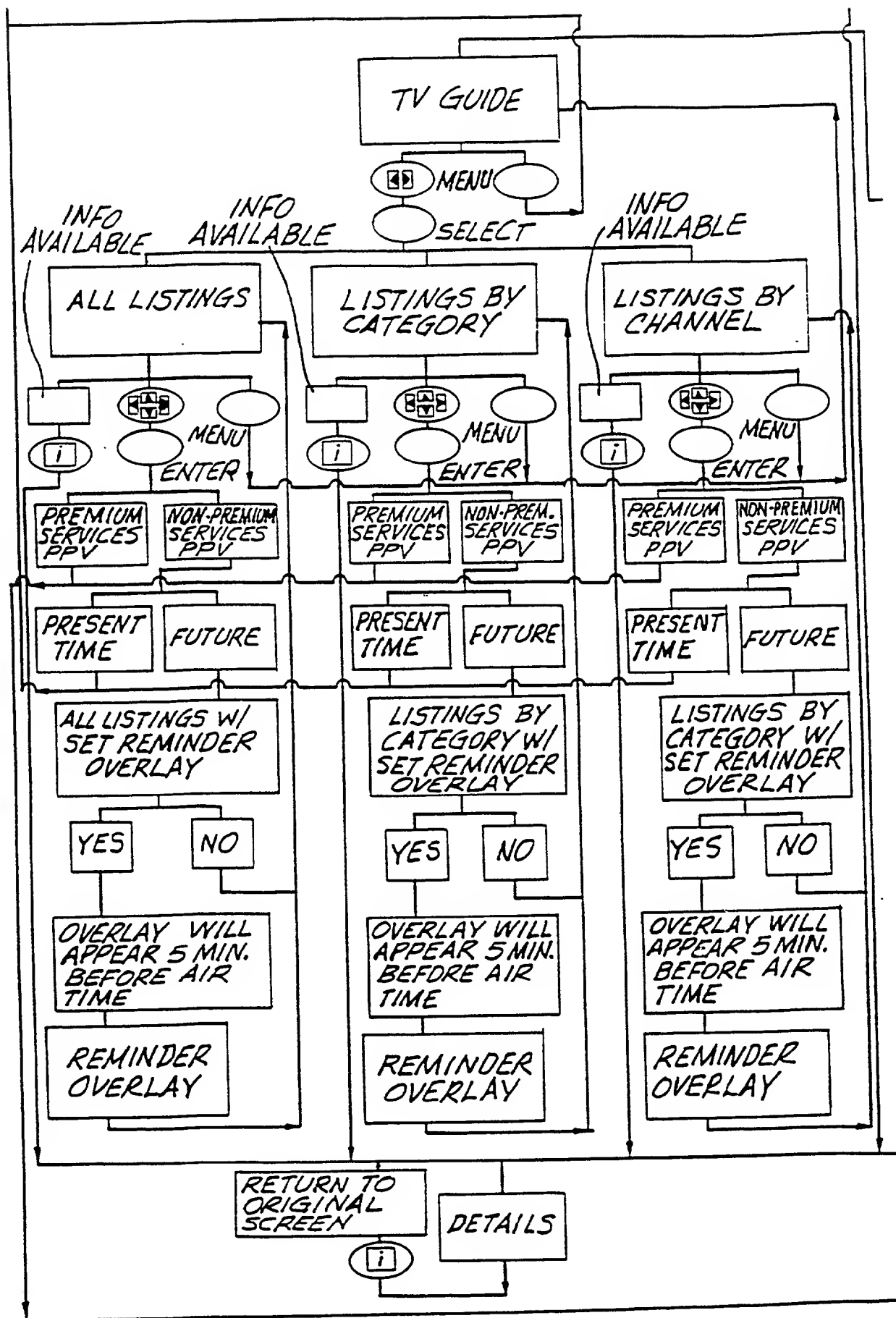


FIG. 36B

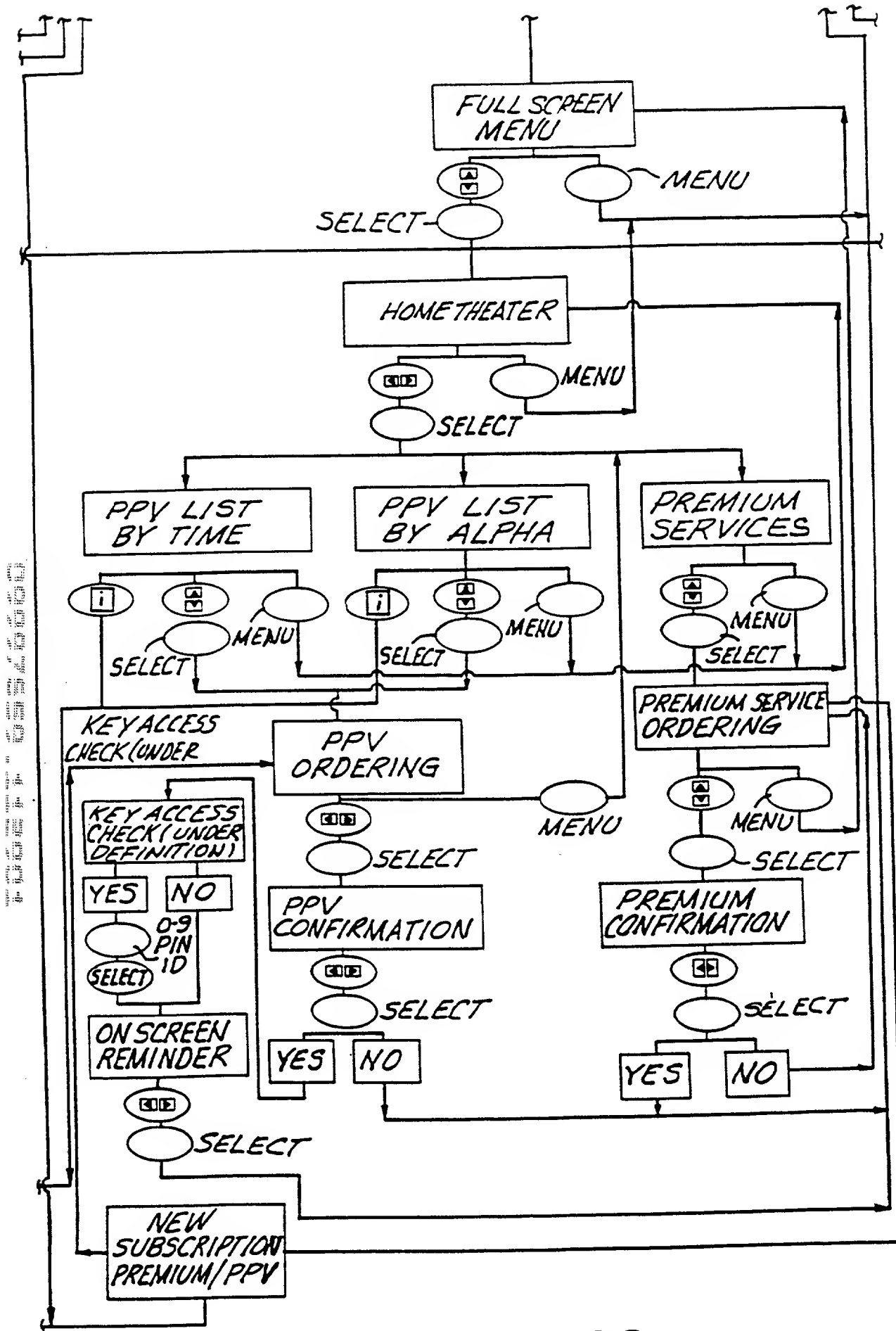


FIG. 36C

FIG. 36D

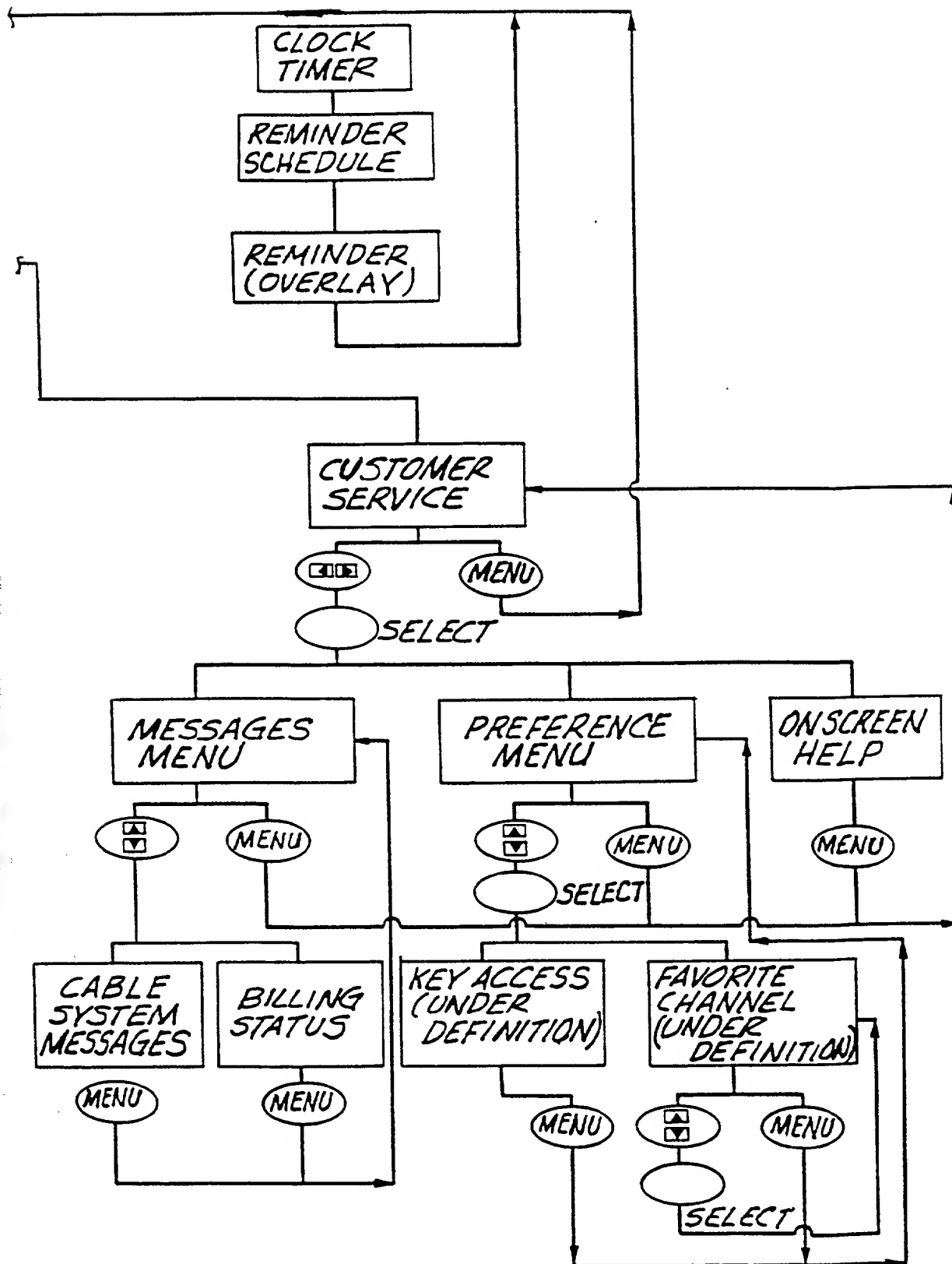


FIG. 36D